

NOTE:

(1) If the variable to be used (DIHELP, DIERR, or DIMSG) already exists before calling BLD^DIALOG, the number or numbers already stored in the variable are incremented (not overwritten) to reflect the cumulative total over repetitive calls to BLD^DIALOG.

The local variable (DIHELP, DIERR, or DIMSG) is not set if you ask for text to be built in the special variables DIR("A") and DIR("?"), used as input to ^DIR.

(2) If you wish to add entries to the DIALOG file, you must use a number-space assigned by the Data-Base Administrator. Please see Developer Tools, Dialog File section in this Programmer Manual for more information.

Examples

The DIALOG entry numbers shown in the examples below are for demonstration purposes and are not distributed as part of the VA FileMan package.

Example 1

In the case of errors, the output looks like the following example.

^TMP("DIERR",\$J,error_number) is set equal to the IEN from the DIALOG file. The actual error text is contained descendent from the "TEXT" subscript. If output parameters were passed to the routine, they are returned descendent from the "PARAM" subscript, where "PARAM",0) contains the total number of output parameters. Finally, there is an entry descendent from "E", where the next subscript is the IEN from the DIALOG file, and the final subscript refers to the error number in this output array. This serves as a sort of cross-reference by error code. When errors are generated by a routine called from developers' code, this cross-reference can be used by the developer to quickly check whether a specified error had been generated:

```
DIPAROUT(1)=TEST FILE
DIPAROUT("FILE")=662001

>D BLD^DIALOG(10999,"Myfile",.DIPAROUT)
```

The output looks like:

```
DIERR=1^1

^TMP("DIERR",591465626,1) = 10999
^TMP("DIERR",591465626,1,"PARAM",0) = 2
^TMP("DIERR",591465626,1,"PARAM",1) = TEST FILE
^TMP("DIERR",591465626,1,"PARAM","FILE") = 662001
^TMP("DIERR",591465626,1,"TEXT",1) = Entries in file Myfile cannot
    be edited.
^TMP("DIERR",591465626,"E",10999,1) =
```

Example 2

Here we generate a second error to show how it is appended to the previous error in the ^TMP global:

```
DIPARIN(1)='B'
DIPARIN("FILE")=662001
DIPAROUT(1)='B'
DIPAROUT("FILE")=662001

>D BLD^DIALOG(10202,.DIPARIN,.DIPAROUT)
```

Now the output looks like this:

```
DIERR=2^2

^TMP("DIERR",591465626,1) = 10999
^TMP("DIERR",591465626,1,"PARAM",0) = 2
^TMP("DIERR",591465626,1,"PARAM",1) = TEST FILE
^TMP("DIERR",591465626,1,"PARAM","FILE") = 662001
^TMP("DIERR",591465626,1,"TEXT",1) = Entries in file Myfile cannot
    be edited.
^TMP("DIERR",591465626,2) = 10202
^TMP("DIERR",591465626,2,"PARAM",0) = 2
^TMP("DIERR",591465626,2,"PARAM",1) = 'B'
^TMP("DIERR",591465626,2,"PARAM","FILE") = 662001
^TMP("DIERR",591465626,2,"TEXT",1) = There is no 'B' index for File
    #662001.
^TMP("DIERR",591465626,"E",10999,1) =
^TMP("DIERR",591465626,"E",10202,2) =
```

Example 3

In this example, we build the same error message as in Example 1, but this time we put the output into a local array. Notice that we do not send a flag in the FLAGS parameter for this call, so only the error text is returned. This would ordinarily be done when the developer planned to process the output from their own routine.

```
>D BLD^DIALOG(10999,"Myfile",.DIPAROUT,"MYARRAY")
```

The output looks like:

```
DIERR=1^1

MYARRAY(1)=Entries in file Myfile cannot be edited.
```